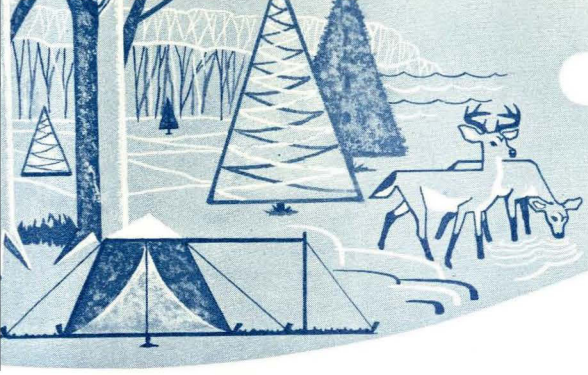

U. S. FOREST SERVICE

RESEARCH NOTE NC-3

NORTH CENTRAL FOREST EXPERIMENT STATION, FOREST SERVICE—U.S. DEPARTMENT OF AGRICULTURE

Folwell Avenue, St. Paul, Minnesota 55101

Lake States Pulpwood Production Hampered by Adverse Weather and Labor Shortage, 1965

Demand for Lake States pulpwood gained strength in 1965, but production failed to rise. Adverse weather during part of the year and a general shortage of woods labor were deterrents to a larger harvest. The total pulpwood cut was 3,636,000 cords in 1965, representing very little change over the level of the 2 previous years (table 2 on back of page). The tempo of pulpwood activities started leveling off in 1964; until then the pulpwood cut in the Lake States had been increasing about 10 percent annually.

Of the three States, Michigan's production held up the best, registering a 3-percent gain over 1964; aspen and pine were cut more heavily than ever before. Wisconsin production registered only a slight increase. Although the pine pulpwood harvest was the largest ever recorded in the State, the cut of most other species fell below that of 1964. Minnesota's pulpwood harvest, on the other hand, was down by 4 percent, primarily because of smaller cuts of the softwood species.

Logs and bolts cut for pulpwood in 1965 amounted to 3½ million cords, about 96 percent of the total regional output. Roundwood production has remained firm, hardly fluctuating during the past 3 or 4 years. Quantities of wood chips, slabs, and veneer cores for pulping amounted to 4 percent of the total and continued to increase. Local primary wood-using firms shipped 144,000 cords of such material to local and Central States pulpmills in 1965, an increase of 13 percent over 1964.

Total 1965 pulpwood receipts at Lake States mills were approximately 4 million cords, about the same as in 1964. Michigan and Wisconsin receipts were up 4 percent and 1 percent respectively, while those of Minnesota were down 3 percent. Lake States forests supplied 90 percent of the pulpwood bolts received, Canada 8 percent, and western States 2 percent (table 1). Eight Lake States mills received approximately 210,000 cords of wood chips, slabs, and veneer cores for pulping. Lake States wood-using establishments supplied about 63 percent of such wood materials; the remaining 37 percent was received from South Dakota, Montana, Colorado, Idaho, and Wyoming.

Table 1.—Geographic origin and destination of pulpwood received by Lake States mills, 1965

Species	Percent of pulpwood originating from:					Percent of pulpwood received by mills in:		
	Minn.	Wis.	Mich.	Canada	Other U. S.	Minn.	Wis.	Mich.
Aspen	26	34	39	1	-	26	50	24
Balsam fir	35	24	35	6	-	29	54	17
Birch	*	43	57	-	-	*	48	52
Hemlock	-	48	52	-	-	-	97	3
Pine	25	28	31	8	8	28	56	16
Spruce	44	3	12	41	*	27	59	14
Tamarack	65	22	13	-	-	1	99	-
Misc. hardwoods 1/	10	50	40	-	*	11	58	31
Residues	2	38	23	-	37	4	87	9
All wood material	25	31	34	7	3	23	57	20
Previous year (1964)	26	31	33	7	3	23	57	20

1/ Mostly dense hardwoods.

* Less than 1/2 of one percent.

Table 2.—Production and imports of pulpwood, Lake States, 1965
(In standard cords, unpeeled)

Species and destination	Production by states 1/				Imports			Total receipts
	Minnesota	Wisconsin	Michigan	Region	Other U. S. 2/	Canada	Total imports	
Aspen								
Minn.	452,036	1,607	-	453,643	-	8,068	8,068	461,711
Wis.	15,687	605,348	278,348	899,383	-	32	32	899,415
Mich.	-	534	426,019	426,553	-	9,780	9,780	436,333
Total	467,723	607,489	704,367	1,779,579	-	17,880	17,880	1,797,459
Balsam fir								
Minn.	56,907	-	-	56,907	-	2,810	2,810	59,717
Wis.	16,596	50,003	47,534	114,133	-	-	-	114,133
Mich.	-	-	25,346	25,346	-	9,833	9,833	35,179
Exported 3/	115	-	555	670	-	-	-	-
Total	73,618	50,003	73,435	197,056	-	12,643	12,643	209,029
Birch, white								
Minn.	73	-	-	73	-	-	-	73
Wis.	-	23,776	2,517	26,293	-	-	-	26,293
Mich.	-	-	28,993	28,993	-	-	-	28,993
Total	73	23,776	31,510	55,359	-	-	-	55,359
Hemlock								
Minn.	-	-	-	-	-	-	-	-
Wis.	-	60,149	60,332	120,481	-	-	-	120,481
Mich.	-	-	3,721	3,721	-	-	-	3,721
Total	-	60,149	64,053	124,202	-	-	-	124,202
Pine								
Minn.	156,439	300	-	156,739	-	47,904	47,904	204,643
Wis.	24,888	206,319	109,974	341,181	57,902	10,761	68,663	409,844
Mich.	-	-	113,674	113,674	-	-	-	113,674
Total	181,327	206,619	223,648	611,594	57,902	58,665	116,567	728,161
Spruce								
Minn.	134,816	-	-	134,816	1,423	1,919	3,342	138,158
Wis.	87,177	15,240	44,844	147,261	416	152,067	152,483	299,744
Mich.	-	36	16,635	16,671	-	54,251	54,251	70,922
Exported 3/	15,623	-	3,855	19,478	-	-	-	-
Total	237,616	15,276	65,334	318,226	1,839	208,237	210,076	508,824
Tamarack								
Minn.	168	-	-	168	-	-	-	168
Wis.	11,976	4,026	2,412	18,414	-	-	-	18,414
Mich.	-	-	-	-	-	-	-	-
Total	12,144	4,026	2,412	18,582	-	-	-	18,582
Misc.dense hdwds.								
Minn.	39,229	-	-	39,229	-	-	-	39,229
Wis.	-	187,166	31,337	218,503	82	-	82	218,585
Mich.	-	-	118,037	118,037	-	-	-	118,037
Exported 3/	1,713	10,281	-	11,994	-	-	-	-
Total	40,942	197,447	149,374	387,763	82	-	82	375,851
Total roundwood								
Minn.	839,668	1,907	-	841,575	1,423	60,701	62,124	903,699
Wis.	156,324	1,152,027	577,298	1,885,649	58,400	162,860	221,260	2,106,909
Mich.	-	570	732,425	732,995	-	73,864	73,864	806,859
Exported 3/	17,451	10,281	4,410	32,142	-	-	-	-
Total	1,013,443	1,164,785	1,314,133	3,492,361	59,823	297,425	357,248	3,817,467
Residues, softwood								
Minn.	-	-	-	-	-	-	-	-
Wis.	883	9,723	3,175	13,781	76,753	-	76,753	90,534
Mich.	-	-	-	-	-	-	-	-
Exported 3/	-	3,884	2,038	5,922	-	-	-	-
Total	883	13,607	5,213	19,703	76,753	-	76,753	90,534
Residues, hardwood								
Minn.	2,098	6,293	-	8,391	-	-	-	8,391
Wis.	1,553	63,395	27,354	92,302	-	-	-	92,302
Mich.	-	-	18,435	18,435	-	-	-	18,435
Exported 3/	-	4,859	-	4,859	-	-	-	-
Total	3,651	74,547	45,789	123,987	-	-	-	119,128
All wood material								
Minn.	841,766	8,200	-	849,966	1,423	60,701	62,124	912,090
Wis.	158,760	1,225,145	607,827	1,991,732	135,153	162,860	298,013	2,289,745
Mich.	-	570	750,860	751,430	-	73,864	73,864	825,294
Exported 3/	17,451	19,024	6,448	42,923	-	-	-	-
Total	1,017,977	1,252,939	1,365,135	3,636,051	136,576	297,425	434,001	4,027,129

1/ Vertical columns of figures under box heading "Production by states" present the amount of pulpwood cut in each state.
2/ Mostly western states.
3/ Pulpwood shipped to mills outside of Region.
4/ Some balsam poplar and dense hardwoods in Minnesota, mostly dense hardwoods in other states.

July 1966

ARTHUR G. HORN
Market Analyst